

WATER PROTECTION BUREAU

Agency Use

Permit No.:

MTG010188

Date Rec'd

2/3/9

Amount Rec'd

-

Check No.

Rec'd By

AB

FORM
NMP

Nutrient Management Plan

READ THIS BEFORE COMPLETING FORM: Before completing this form (Form NMP), Concentrated Animal Feeding Operation (CAFO) operators need to read the General Permit, particularly Part IV.A. CAFO operators also need to read the "Instructions For Filling Out Form NMP," found at the back of the Form. Form NMP is intended to help CAFO operators develop a site-specific Nutrient Management Plan, in compliance with Part IV.A of the General Permit and all applicable State rules and statutes. Your Nutrient Management Plan must be maintained at the site as required in Part III of the General Permit. Sections B and C on your Form NMP must state the information exactly the same way as it was stated on the most recently submitted version of your Form 2B. Attach additional pages as necessary, indicating the corresponding section number on this NMP form. For additional help in filling out this form please read the attached instructions. The 2008 General Permit, current fee schedule, and related forms are available from the Water Protection Bureau at (406) 444-3080 or <http://www.deq.mt.gov/wqinfo/MPDES/CAFO.asp>

Section A - NMP Status (Check one):

- ☒ New No prior NMP submitted for this site.
☐ Modification Change or update to existing NMP.

Permit Number: MT G010188 (Specify the permit number that was previously assigned to your facility.)

Section B - Facility or Site Information:

Site Name Faith Dairy LLC

Site Location 4121 Kent Spur Rd.

Nearest City or Town Bozeman

County Gallatin

Section C - Applicant (Owner/Operator) Information:

Owner or Operator Name Dave Bos

Mailing Address 4121 Kent Spur Rd.

City, State, and Zip Code Bozeman, MT 59718

Phone Number 406-587-2852

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Section D - NMP Minimum Elements:**1. Livestock Statistics**

<i>Animal Type and number of animals</i>		<i># of Days on Site (per year)</i>	<i>Annual Manure Production (tons, cu. yds. or gal)</i>
1. Mature Dairy Cows	260	365	
2. Holstein Heifers 700-1000 lbs	70	180-200	
3. Holstein Heifers 500-700 lbs	90	180-200	
4. Holstein Heifers 350-500 lbs	60	365	
5. Holstein Heifers New-350 lbs	68	365	
6. Total Dry Manure			2900 tons
7. Total Liquid Manure			2,800,000 gal
8.			

Method used for estimating annual manure production:

Records and producer experience

2. Manure Handling

Describe manure handling at the facility:

Manure from confinement facility for milk cows is scraped into lagoon unless frozen by extreme cold. If frozen it is piled on concrete pads and hauled as needed. Hauling may be onto frozen ground in land application area and preferably onto fields where runoff could be contained. Young stock bedding is hauled annually. Liquid manure is injected in the soil. Solids are top spread.

Frequency of Manure Removal from confinement areas:

2,800,000 gallon lagoon is pumped spring and fall. Solids are spread as needed.

Is this manure temporarily stored in any location other than the confinement area? ☐ Yes ☒ No

If so then how and where?

Is manure stored on impervious surface? ☐ Yes ☒ No

If yes, describe type and characteristics of this surface:

Manure is not normally stored outside CAFO.

3. Waste Control Structures

<i>Waste Control Structure (name/type)</i>	<i>Length (ft)</i>	<i>Width (ft)</i>	<i>Depth (ft)</i>	<i>Volume (cubic ft or gallons)</i>
1. Liquid Lagoon	320	160	8	3,000,000
2. Run-off and Sediment Basin	180	110	4	600,000
3. Emergency Basin	300	120	6	1,620,000
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

4. Disposal of Dead Animals

Describe how dead animals are disposed of at this facility:

Hauled to county landfill or buried.

5. Clean Water Diversion Practices

Describe how clean water is diverted from production area:

The facility is located on a hill top. This minimizes the facility exposure to storm water coming in.

6. Prohibiting Animals and Wastes from Contact with State Waters

Describe how animals and wastes are prohibited from direct contact with state waters:

CAFO animals are fenced away from state waters. Lagoons keep animal waste and wastewater from direct contact with state waters.

Describe how chemicals and other contaminants are handled on-site:

We have no insecticides, all milk system cleaning chemicals are stored in dairy barn and labeled for use. A small amount of farming chemicals are stored indoors in a secure location.

8. Best Management Practice (BMPS)

Describe in detail all temporary, permanent and structural Best Management Practices (BMPs) which will be used to control runoff of pollutants from facility's **production area**. Indicate the location of these measures. Include a schedule for implementation of each of these measures. Examples of BMP measures could include but are not limited to: constructing ditches, terraces, and waterways above an open lot to divert clean water run on; installing gutters, downspouts and buried conduits to divert roof drainage; providing more roofed area; decreasing open lot surface area; repairing or adjusting water systems to minimize water wastage; using practical amounts of water for cooling purposes; recycling water if practical and applicable.

The liquid manure is stored in a lagoon lined with dirt covered 15 mil pvc. All stormwater from production area is contained in two stormwater sediment basins. These are seperate from the primary manure lagoon. Daily inspection of water lines is done during routine chores and repaired as needed.

Describe in detail all temporary, permanent and structural Best Management Practices (BMPs) which will be used to control runoff of pollutants from facility's **land application area**. Indicate the location of these practices. If not already in use, include a schedule for implementation of each of these measures. Attached details and specifications may be used to supplement this description. Examples of BMP measures could include but are not limited to: maintaining setbacks from surface waters for manure applications; managing irrigation practices to prevent ponding of wastewater on land application sites; never spray irrigating wastes onto frozen ground; consulting with the Department prior to applying any liquid waste to frozen or snow-covered ground; applying wastes at agronomic rates.

Plant sampling/tissue analysis	yes/no <input checked="" type="checkbox"/>	Rotational grazing	yes/no <input checked="" type="checkbox"/>
Conservation or reduced tillage	<input checked="" type="checkbox"/> yes/no	Manure injection or incorporation	<input checked="" type="checkbox"/> yes/no
Terraces or other water control structures	yes/no <input checked="" type="checkbox"/>	Contour plantings	yes/no <input checked="" type="checkbox"/>
Riparian buffers or vegetative filter strips	<input checked="" type="checkbox"/> yes/no	Winter "scavenger" or cover crops	yes/no <input checked="" type="checkbox"/>

Other examples Stormwater from a portion of land application area will drain to sediment basins.

This is land that is not prone to runoff.

9. Implementation, Operation, Maintenance and Record Keeping – Guidance

The permittee is required to develop guidance addressing implementation of NMP, proper operation and maintenance of the facility, and record keeping as described in Part II of the permit.

Has a guidance document been developed for the facility? ☒ Yes ☐ No

Certify the document addresses the following requirements:

Implementation of the NMP:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Facility operation and maintenance:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Record keeping and reporting:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Sample collection and analysis:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Manure transfer:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Provide name, date and location of most recent documentation:

Faith Dairy LLC Office, NMP and supporting documents are current to date.

If your answer to any of the above question is no, provide explanation

Section E – Land Application

Will manure be land applied to land either owned, rented, or leased by the owner or operator of the facility?

No If no, then provide an explanation of how animal waste at this site are managed.

■ Yes If yes, then the information requested in Section E must be provided.

Photos and/or Maps

Attach an aerial photograph or map of the site where manure is to be applied. (Use multiple photos/maps if necessary to show required details.) The photo(s)/map(s) must be printed on no larger than an 11"x17" piece of paper, and must clearly identify the following items:

- Individual field boundaries for all planned land application areas
- A name, number, letter or other means of identifying each individual land application field
- The location of any down-gradient surface waters
- The location of any down-gradient open tile line intake structures
- The location of any down-gradient sinkholes
- The location of any down-gradient agricultural well heads
- The location of all conduits to surface waters
- The specific manure/waste handling or nutrient management restrictions associated with each land application field.
- The soil type(s) present and their locations within the individual land application field(s)
- The location of buffers and setbacks around state surface waters, well heads, etc.

Land Application Equipment Calibration

Describe the type of equipment used to land apply wastes and the calibrating procedures:

Liquid manure is pumped through a calibrated flow meter. Solids are calculated by volume and weight of spreader and area covered. Scale is located on site.

Manure Sampling and Analysis Procedures

A representative manure sample will be analyzed a minimum of once annually for Total Nitrogen, and Total Phosphorus. Analysis results will be reported in lbs/ton or lbs/1,000 gal. Results of these analyses will be used in determining application rates for manure, litter, and process wastewater.

Manure Sample collection will occur according to the following method:

The recommended method(s) found in Section 5 of Department Circular DEQ 9

✓ Other (describe) Liquid manure is sampled while agitated and pumping.

Solids will be sampled by a representative sample taken from application.

Soil Sampling and Analysis Procedures

A representative soil sample from the top 6 inch layer of soil in each field will be analyzed for phosphorus content at least once every five years. Analyses will be conducted by a qualified laboratory, using the Olsen P test. Results will be reported in parts per million (ppm) and will be used in determining application rates for manure, litter, and process wastewater.

Soil sample collection will occur according to the following method:

The recommended method(s) found in Section 5 of Department Circular DEQ 9

■ Other (describe) Professional consultant and certified lab.

Land Application Data-Narrative approach

The following must be filled out for each field to which manure, litter or process wastewater will or may be applied for the period of the permit (5 years). Use as many sheets as necessary to fulfill this requirement. **Fields with identical crops and soil types may be grouped together.**

Crops and Manure

Field Name and spreadable acres for each (for fields with identical crops and soils type):

1, 2, 3, 4 (215 acres total)

<i>Crop 1 (year 1 or ?) plant species</i>	Corn / Barley
Irrigated (Y/N)	Y
Yield Goal (ton/ac or bushel/ac)	25 ton / 140bu
N Content of soil as nitrate (lbs/acre or ppm)	25lbs out of date test, but will test before application
P Content of soil as P ₂ O ₅ (lbs/acre or ppm)	23ppm out of date test, but will test before application
Time of Year When Application will Occur (month)	Fall, Spring or as needed
Application frequency (per year by month)	Once per year or as needed
Form of manure (liquid/solid)	liquid, solid occasionally
Method of Application	Injected, perimeter broadcast
Is manure incorporated or broadcast?	liquids incorporated, solids broadcast
Frequency of Application (yearly, biannual, etc.?)	yearly
<i>Crop 2</i>	Alfafa
Irrigated (Y/N)	Y
Yield Goal (ton/ac or bushel/ac)	6 Ton
N Content of soil as Nitrate (lbs/acre or ppm)	25lbs out of date test, but will test before application
P Content of soil as P ₂ O ₅ (lbs/acre or ppm)	23ppm out of date test, but will test before application
Time of Year When Application will Occur (month)	Fall, Spring or as needed
Application frequency (per year, by month)	Once per year or as needed
Form of manure (liquid/solid)	liquid, solid occasionally
Method of Application	Injected, perimeter broadcast
Is manure broadcast, injected or incorporated?	liquids incorporated, solids broadcast
Frequency of Application (Annual, Biannual, etc?)	Once every four years

Land Application Data-Narrative approach

The following must be filled out for each field to which manure, litter or process wastewater will or may be applied for the period of the permit (5 years). Use as many sheets as necessary to fulfill this requirement. **Fields with identical crops and soil types may be grouped together.**

Crops and Manure

Field Name and spreadable acres for each (for fields with identical crops and soils type):

5, 6, 7, 8, 9, 10 (238 acres total) 5,6,7,8 rotate on grain and alfalfa rotation, when in grain they are leased by another party who requests manure application.

Crop 1 (year 1 or ?) plant species	Barley
Irrigated (Y/N)	Y
Yield Goal (ton/ac or bushel/ac)	140bu
N Content of soil as nitrate (lbs/acre or ppm)	25lbs
P Content of soil as P ₂ O ₅ (lbs/acre or ppm)	13ppm
Time of Year When Application will Occur (month)	Fall, Spring or as needed
Application frequency (per year by month)	Once per year or as needed
Form of manure (liquid/solid)	liquid, solid occasionally
Method of Application	Injected, perimeter broadcast
Is manure incorporated or broadcast?	liquids incorporated, solids broadcast
Frequency of Application (yearly, biannual, etc.?)	yearly
Crop 2	Alfafa
Irrigated (Y/N)	Y
Yield Goal (ton/ac or bushel/ac)	6 Ton
N Content of soil as Nitrate (lbs/acre or ppm)	25lbs
P Content of soil as P ₂ O ₅ (lbs/acre or ppm)	13ppm
Time of Year When Application will Occur (month)	Fall, Spring or as needed
Application frequency (per year, by month)	Once per year or as needed
Form of manure (liquid/solid)	liquid, solid occasionally
Method of Application	Injected, perimeter broadcast
Is manure broadcast, injected or incorporated?	liquids incorporated, solids broadcast
Frequency of Application (Annual, Biannual, ,etc?)	Once every four years

Land Application Data-Narrative approach

The following must be filled out for each field to which manure, litter or process wastewater will or may be applied for the period of the permit (5 years). Use as many sheets as necessary to fulfill this requirement. **Fields with identical crops and soil types may be grouped together.**

Crops and Manure

Field Name and spreadable acres for each (for fields with identical crops and soils type):

12, 13, 14, 15

Crop 1 (year 1 or ?) plant species	Grass
Irrigated (Y/N)	Y
Yield Goal (ton/ac or bushel/ac)	4 ton
N Content of soil as nitrate (lbs/acre or ppm)	sample needed
P Content of soil as P ₂ O ₅ (lbs/acre or ppm)	sample needed
Time of Year When Application will Occur (month)	Fall, Spring or as needed
Application frequency (per year by month)	Once per year or as needed
Form of manure (liquid/solid)	liquid
Method of Application	broadcast
Is manure incorporated or broadcast?	broadcast
Frequency of Application (yearly, biannual, etc.?)	yearly
Crop 2	
Irrigated (Y/N)	
Yield Goal (ton/ac or bushel/ac)	
N Content of soil as Nitrate (lbs/acre or ppm)	
P Content of soil as P ₂ O ₅ (lbs/acre or ppm)	
Time of Year When Application will Occur (month)	
Application frequency (per year, by month)	
Form of manure (liquid/solid)	
Method of Application	
Is manure broadcast, injected or incorporated?	
Frequency of Application (Annual, Biannual, ,etc?)	

Land Application Data-Narrative approach

The following must be filled out for each field to which manure, litter or process wastewater will or may be applied for the period of the permit (5 years). Use as many sheets as necessary to fulfill this requirement. **Fields with identical crops and soil types may be grouped together.**

Crops and Manure

Field Name and spreadable acres for each (for fields with identical crops and soils type):

12, 13, 14, 15 (20 total acres)

Crop 1 (year 1 or ?) plant species	Grass
Irrigated (Y/N)	Y
Yield Goal (ton/ac or bushel/ac)	5 ton
N Content of soil as nitrate (lbs/acre or ppm)	sample needed
P Content of soil as P ₂ O ₅ (lbs/acre or ppm)	sample needed
Time of Year When Application will Occur (month)	Fall, Spring or as needed
Application frequency (per year by month)	Once per year or as needed
Form of manure (liquid/solid)	liquid
Method of Application	broadcast
Is manure incorporated or broadcast?	broadcast
Frequency of Application (yearly, biannual, etc.?)	yearly
Crop 2	
Irrigated (Y/N)	
Yield Goal (ton/ac or bushel/ac)	
N Content of soil as Nitrate (lbs/acre or ppm)	
P Content of soil as P ₂ O ₅ (lbs/acre or ppm)	
Time of Year When Application will Occur (month)	
Application frequency (per year, by month)	
Form of manure (liquid/solid)	
Method of Application	
Is manure broadcast, injected or incorporated?	
Frequency of Application (Annual, Biannual, ,etc?)	

Phosphorus Risk Assessment

The permittee shall assess the risk of phosphorus contamination of state waters. An assessment shall be conducted for each field, under the control of the operator, to which manure, litter or process wastewater will or may be applied. If a new field is added in the future, then the permittee must submit a revised (modified) NMP. The permittee has the option of using either Method A or Method B (below) to complete the assessment. Copies of all tables and calculations used to complete the assessments, as well as the results of the assessments, shall be submitted to the Department and copies shall be maintained on-site at the facility and available for Departmental review. The results of the assessments shall be used to determine the appropriate basis for land application of wastes from the facility.

Method Used

Indicate which method will be used to determine phosphorus application:

- ☐ Method A – Representative Soil Sample
☐ Method B – Phosphorus Index

Method A – Representative Soil Sample

- Obtain one or more representative soil sample(s) from the field.
- Have the sample analyzed for Phosphorus by a qualified lab. The "Olsen P test" must be used for the analysis, and the result must be reported in parts per million (ppm).
- Using the results of the Olsen P test, determine the application basis according to the Table below

Soil Test	
<i>Olsen P Soil Test Result (ppm)</i>	<i>Application Basis</i>
<25.0	Nitrogen Needs Of Crop
25.1 - 100.0	Phosphorus Needs Of Crop
100.0 - 150.0	Phosphorus Needs up to Crop Removal Rate
>150.0	No Application

Method B – Phosphorus Index

- Complete a Phosphorus Index according to for each crop grown on each field. Complete table in Appendix A to calculate phosphorus index. For information on filling out specific sections Appendix A, please refer to Attachment 2 of Department Circular DEQ 9.
- Using the calculated Total Phosphorus Index Value, assign the overall site/field vulnerability to phosphorus loss according to the table below.

Total Phosphorus	
<i>Total Phosphorus Index Value</i>	<i>Site Vulnerability to Phosphorus Loss</i>
<11	Low
11-21	Medium
22-43	High
>43	Very High

- Using the calculated Site Vulnerability to Phosphorus Loss, determine the appropriate application basis according to the table below.

Site Vulnerability to Phosphorus Loss	
<i>Site Vulnerability to Phosphorus Loss</i>	<i>Application Basis</i>
Low	Nitrogen Needs
Medium	Nitrogen Needs
High	Phosphorus Need Up to Crop Removal
Very High	Phosphorus Crop Removal or No Application

- d) The permittee will complete the *Nutrient Budget Worksheet*, below, for each crop grown on each field to which manure or process waste water is or may be applied during the first year of application. A copy of each Nutrient Budget Worksheet will be maintained on site, and a copy will be submitted to the Department.

Nutrient Budget Worksheet

Site/Field:

<i>Nutrient Budget</i>		<i>Nitrogen-based Application</i>	<i>Phosphorus-based Application</i>
	Crop Nutrient Needs, lbs/acre included in Department Circular DEQ 9	224lbs	50
(-)	Credits from previous legume crops, lbs/acre (from DEQ-9), as applicable	0	0
(-)	Residuals from past manure production, lbs/acre (lbs/acre applied in previous year(s) x fractions listed in DEQ-9)	12	0
(-)	Nutrients supplied by commercial fertilizer and Biosolids, lbs/acre	0	0
(-)	Nutrients supplied in irrigation water, lbs/acre	0	0
	= Additional Nutrients Needed, lbs/acre	212	50
	Total Nitrogen and Phosphorus in manure, lbs/ton or lbs/1,000 gal (from manure test)	24lbs/1000gal	7.5lbs/1000gal
(x)	Nutrient Availability factor (for Nitrogen based application see DEQ-9, below; for Phosphorus based application use 1.0)	.9 & .65	1
	= Available Nutrients in Manure, lbs/ton or lbs/1,000 gal	13	7.5
	Additional Nutrients needed, lbs/acre (calculated above)	212	50
(/)	Available Nutrients in Manure, lbs/ton or lbs/1,000 gal (calculated above)	13	7.5
	= Manure Application Rate, tons/acre or 1,000 gal/acre	16,300	6,600

Comments:

May adjust rates based on soil sampling, manure sampling, and most recent agronomic rates or other tools. Previous soil samples were taken after manure injection and before cropping. Sampling will now be done before application and after cropping.

- d) The permittee will complete the *Nutrient Budget Worksheet*, below, for each crop grown on each field to which manure or process waste water is or may be applied during the first year of application. A copy of each Nutrient Budget Worksheet will be maintained on site, and a copy will be submitted to the Department.

Nutrient Budget Worksheet

Site/Field:

<i>Nutrient Budget</i>		<i>Nitrogen-based Application</i>	<i>Phosphorus-based Application</i>
	Crop Nutrient Needs, lbs/acre included in Department Circular DEQ 9	224lbs	50
(-)	Credits from previous legume crops, lbs/acre (from DEQ-9), as applicable	0	0
(-)	Residuals from past manure production, lbs/acre (lbs/acre applied in previous year(s) x fractions listed in DEQ-9)	12	0
(-)	Nutrients supplied by commercial fertilizer and Biosolids, lbs/acre	0	0
(-)	Nutrients supplied in irrigation water, lbs/acre	0	0
	= Additional Nutrients Needed, lbs/acre	212	50
	Total Nitrogen and Phosphorus in manure, lbs/ton or lbs/1,000 gal (from manure test)	24lbs/1000gal	7.5lbs/1000gal
(x)	Nutrient Availability factor (for Nitrogen based application see DEQ-9, below; for Phosphorus based application use 1.0)	.9 & .65	1
	= Available Nutrients in Manure, lbs/ton or lbs/1,000 gal	13	7.5
	Additional Nutrients needed, lbs/acre (calculated above)	212	50
(/)	Available Nutrients in Manure, lbs/ton or lbs/1,000 gal (calculated above)	13	7.5
	= Manure Application Rate, tons/acre or 1,000 gal/acre	16,300	6,600

Comments:

May adjust rates based on soil sampling, manure sampling, and most recent agronomic rates or other tools. Previous soil samples were taken after manure injection and before cropping. Sampling will now be done before application and after cropping.

- d) The permittee will complete the *Nutrient Budget Worksheet*, below, for each crop grown on each field to which manure or process waste water is or may be applied during the first year of application. A copy of each Nutrient Budget Worksheet will be maintained on site, and a copy will be submitted to the Department.

Nutrient Budget Worksheet

Site/Field:

<i>Nutrient Budget</i>		<i>Nitrogen-based Application</i>	<i>Phosphorus-based Application</i>
	Crop Nutrient Needs, lbs/acre included in Department Circular DEQ 9	234	198
(-)	Credits from previous legume crops, lbs/acre (from DEQ-9), as applicable	0	0
(-)	Residuals from past manure production, lbs/acre (lbs/acre applied in previous year(s) x fractions listed in DEQ-9)	0	based on soil test
(-)	Nutrients supplied by commercial fertilizer and Biosolids, lbs/acre	0	0
(-)	Nutrients supplied in irrigation water, lbs/acre	0	0
	= Additional Nutrients Needed, lbs/acre	234	198
	Total Nitrogen and Phosphorus in manure, lbs/ton or lbs/1,000 gal (from manure test)	24lbs/1000gal	7.5lbs/1000gal
(x)	Nutrient Availability factor (for Nitrogen based application see DEQ-9, below; for Phosphorus based application use 1.0)	.9 & .65	1
	= Available Nutrients in Manure, lbs/ton or lbs/1,000 gal	13	7.5
	Additional Nutrients needed, lbs/acre (calculated above)	234	198
(/)	Available Nutrients in Manure, lbs/ton or lbs/1,000 gal (calculated above)	13	7.5
	= Manure Application Rate, tons/acre or 1,000 gal/acre	18,000	26,400

Comments:

May adjust rates based on soil sampling, manure sampling, and most recent agronomic rates or other tools. Previous soil samples were taken after manure injection and before cropping. Sampling will now be done before application and after cropping. Refer to study done by University of Missouri-Columbia on nitrogen levels management for alfalfa.

Section F - CERTIFICATION**Permittee Information:**

This Form NMP must be completed, signed, and certified as follows:

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA]

A. Name (Type or Print)

Dave Bos

B. Title (Type or Print)

Member

C. Phone No.

406-587-2852

D. Signature

Dave Bos

E. Date Signed

1/29/09

Return the Form NMP, Nutrient Management Plan to:

Department of Environmental Quality
Water Protection Bureau
PO Box 200901
Helena, MT 59620-0901
(406) 444-3080

RECEIVED

FEB 03 2009

DEQWQB
PERMITTING & COMPLIANCE DIV.



Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

October 14, 2008

DAVID BOS
FAITH DAIRY
4121 KENT SPUR ROAD
BOZEMAN MT 59718

Re: Re-issuance of a General Permit for Concentrated Animal Feed Operations,
Permit number MTG010000 as pertains to issued permit #MTG010188

Dear Mr. Bos:

On September 25, 2008, the Department of Environmental Quality (Department) reissued the *General Permit for Concentrated Animal Feeding Operations* (MTG010000). The permit is issued by the Department under the authority of 75-5 MCA (Montana Code Annotated) and the Federal Water Pollution Control Act (the *Clean Water Act*), 33 USC 1251, *et seq.* The Department provided a 45- day period for public comment on the draft permit and the associated environmental assessment. The September 25, 2008 general permit replaces the previous general permit and will expire on October 1, 2013. Our records indicate that you are currently a valid permit holder.

A copy of the new general permit, the fact sheet, and the supplemental application forms along with related pertinent materials are available on the DEQ (Department of Environmental Quality) website:

<http://www.deq.mt.gov/wqinfo/mpdes/cafo.asp>

For a printed copy of these documents, please contact the Water Protection Bureau at the number listed below.

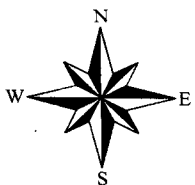
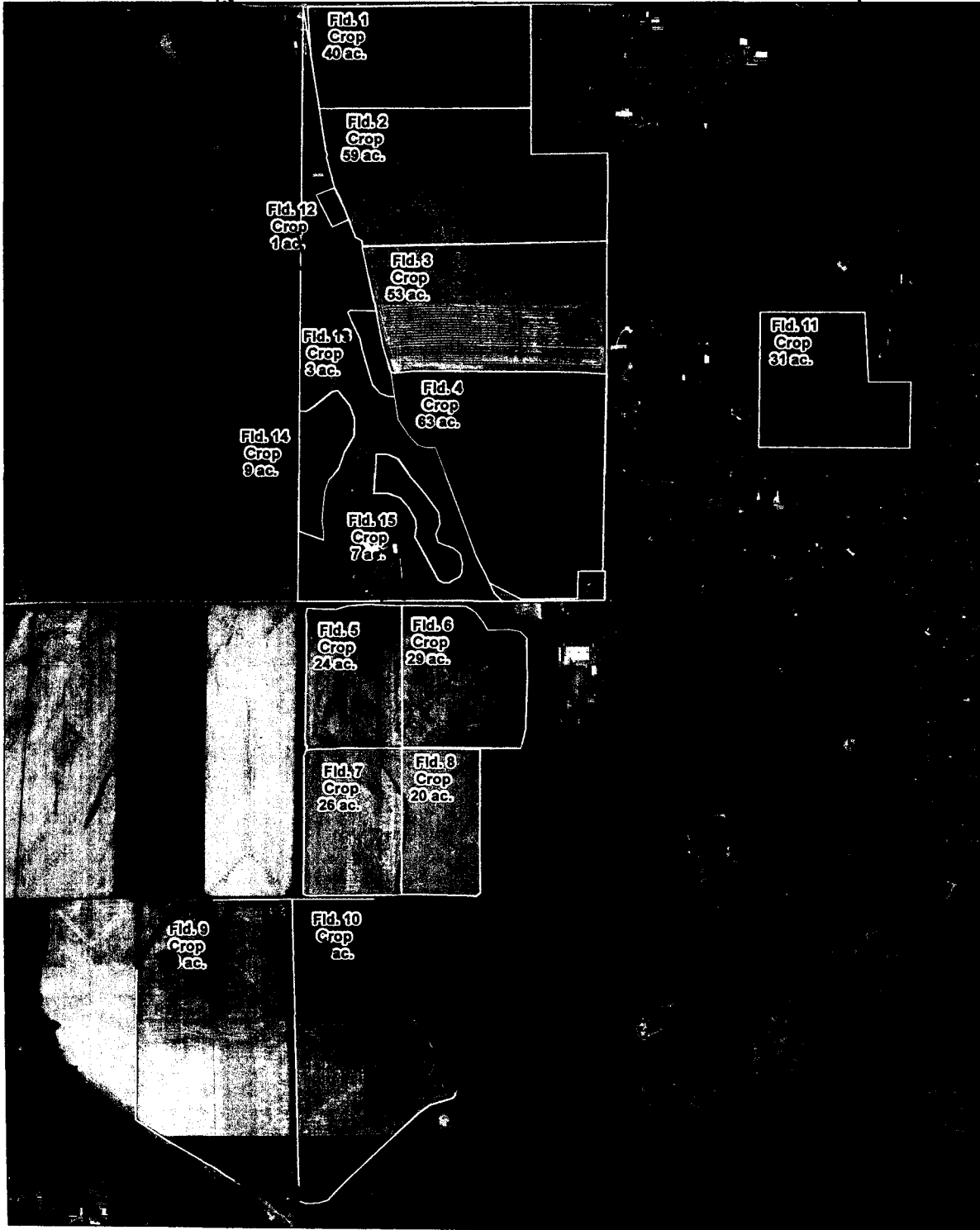
All parties needing new or continued coverage, under the new general permit, should become familiar with this document.

Please be aware that there are new forms associated with the new general permit; Form 2B and a Nutrient Management Plan (NMP). In order to ensure compliance with the new general permit, you must complete and submit the NMP prior to February 1, 2009. The attached information sheet summarizes the changes between the expired and new General Permit.

Faith Dairy, LLC
Bozeman, Montana

South
Dry Creek

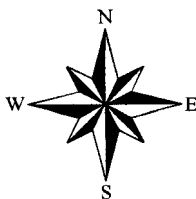
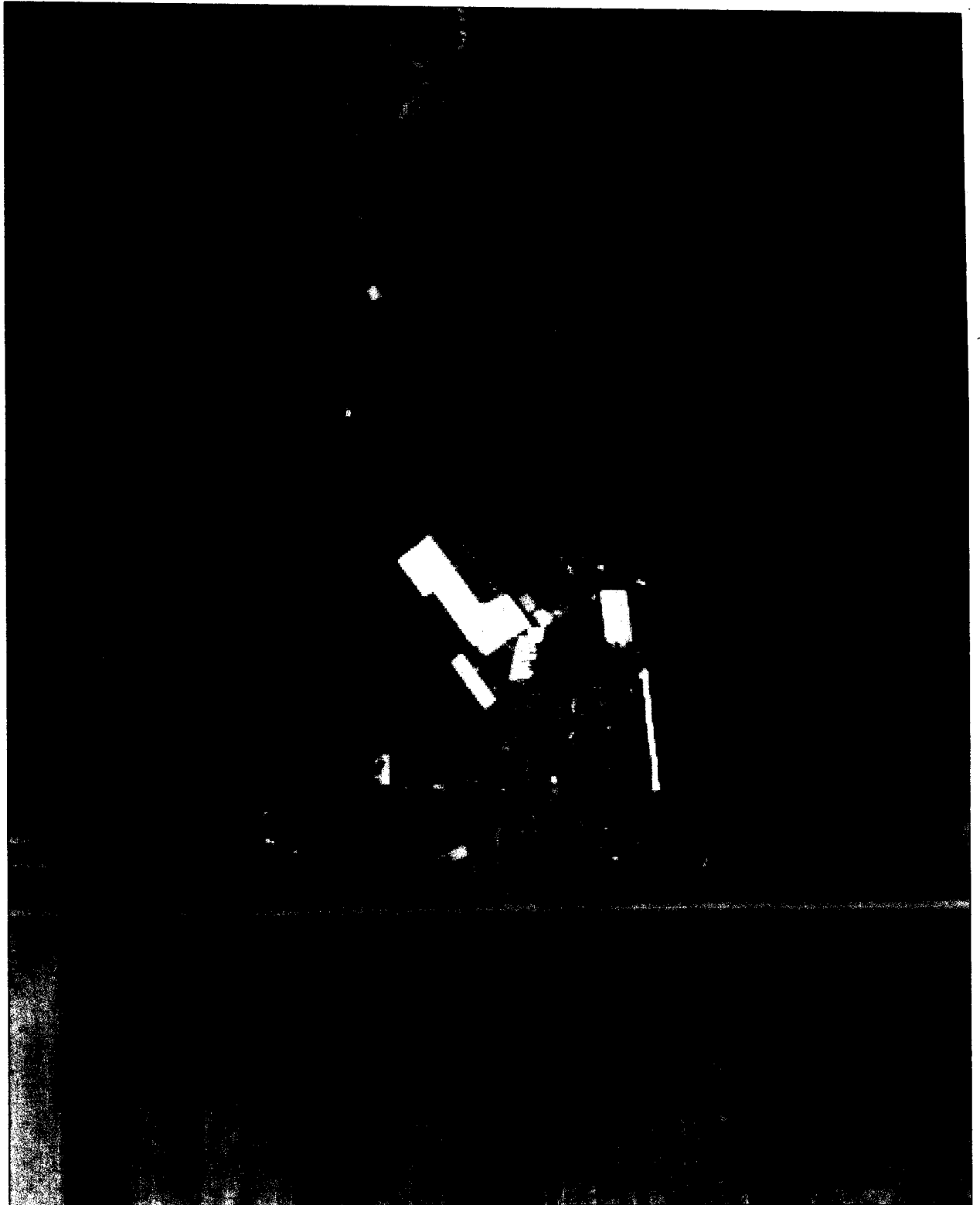
Middle
Creek



0.25 0 0.25 0.5
Miles

X - wells
~ - water

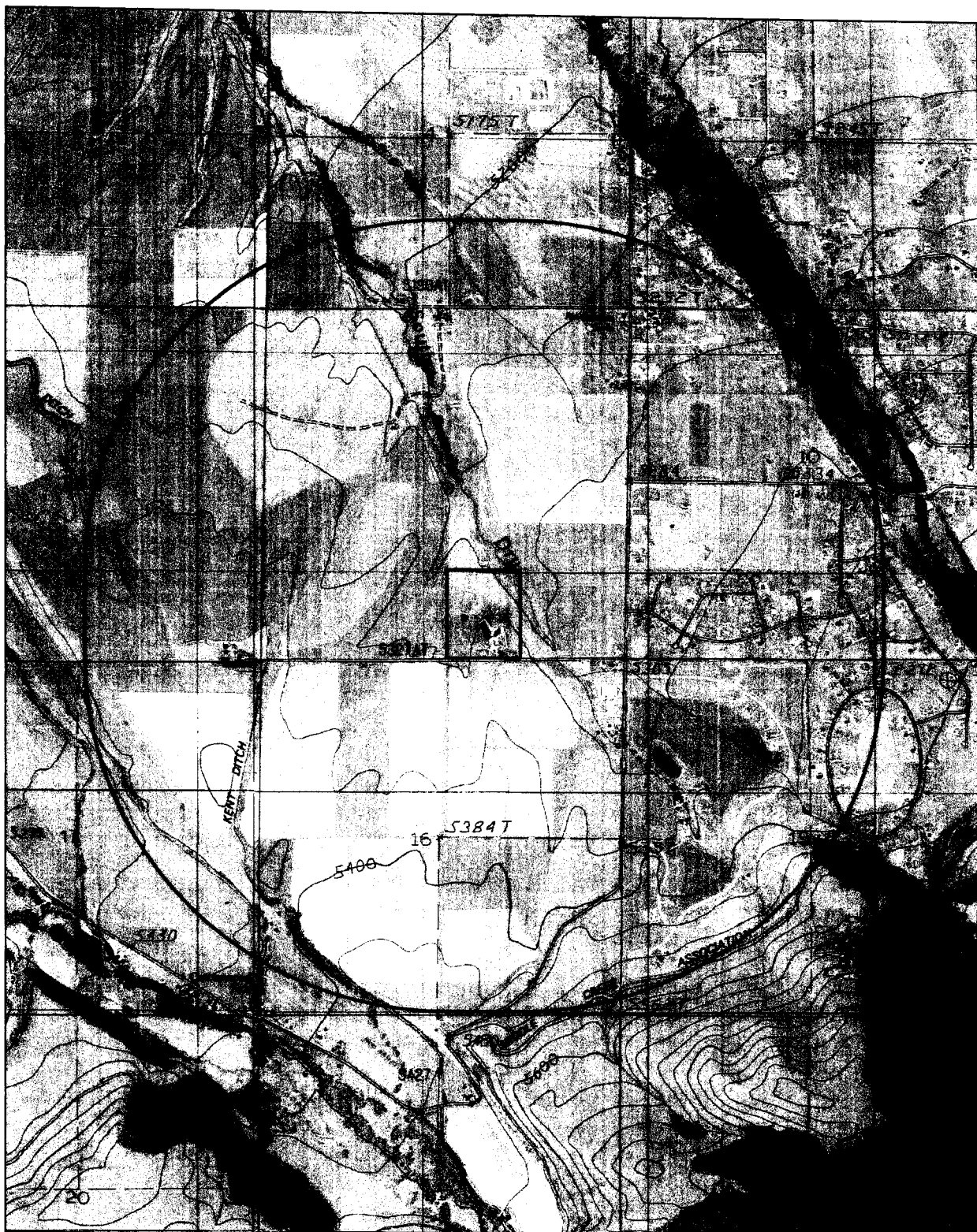
Faith Dairy, LLC
Bozeman, Montana



0.05 0 0.05 0.1 Miles

Storage pond #1 - wastewater - 600,000 gal
anaerobic lagoon #2 liquid manure 3,000,000 gal
storage pond #3 - waste water + run off. 1,620,000 gal

Faith Dairy, LLC
Bozeman, Montana



Legend

